

# UTAH CTE SKILL CERTIFICATION

## CARPENTRY

### STUDENT PERFORMANCE EVALUATION

### TEST #512

Student Name: \_\_\_\_\_

The performance evaluation is a required component of the Skill Certification process. Each student **must be evaluated** on the required performance standards. Performance standards may be completed and **evaluated anytime during the course**.

- Students should be aware of their progress throughout the course, so that they can concentrate on the objectives that need improvement.
- Students should be encouraged to repeat the objectives until they have performed at a minimum of a number 1 or 2 on the rating scale (moderately to highly competent level).  
1= highly competent      Successfully demonstrated without supervision  
2= moderately competent      Successfully demonstrated with limited supervision  
3= limited competence      Demonstrated with close supervision  
4= not competent      Demonstration requires direct instruction and supervision
- When a standard has been achieved at a minimum of 80% (moderately to highly competent level). "Y" (Y=YES) is recorded on the last line of that standard, on the performance evaluation sheet. If a student does not achieve a 1 or a 2 (moderately to highly competent level), then "N" (N=NO) is recorded on the last line of that standard.
- All performance standards **MUST** be completed and evaluated prior to the written test.
- The **teacher** will bubble in "A" on the answer sheet for item #81 for students who have achieved "Y" on **ALL** performance standards.
- The **teacher** will bubble in "B" on the answer sheet for item #81 for students who have **ONE or more "N's"** on the performance standards.
- The signed performance evaluation sheet(s) **MUST** be kept in the teachers' file for two years.
- A copy is also kept on file with the school's CTE Skill Certification testing coordinator for two years.

Students who achieve a 1 or a 2 (moderately to highly competent) on ALL performance standards and 80% on the written test will be issued a CTE Skill Certificate.

#### 460201-01 Students will receive an orientation to the carpentry trade.

1	2	3	4
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Explain the importance of safety in the construction industry.

#### 460201-02 Students will be able to understand and demonstrate the use of wood building materials, fasteners and adhesives.

1	2	3	4
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Explain the terms commonly used in discussing wood and lumber.

Identify various types of imperfections that are found in lumber.

Interpret grade markings on lumber and plywood.

Identify the uses of and safety precautions associated with pressure-treated lumber.

Describe the proper method of caring for lumber and wood building materials at the job site

State the uses of various types of engineered lumber.

List the basic nail and staple types and their uses.

Identify the different types of anchors and their uses.

Describe the common types of adhesives used in construction work and explain their uses.

#### 460201-03 Students will be able to understand and demonstrate the safe use of hand and power tools.

1	2	3	4
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Identify the hand tools commonly used by carpenters and describe their uses.

Use hand tools in a safe and appropriate manner.

State the general safety rules for operating all power tools, regardless of type.

State the general rules for properly maintaining all power tools, regardless of type.

Identify the portable power tools commonly used by carpenters and describe the uses.

Use potable power tools in a safe and appropriate manner.

#### 460201-04 Students will be able to understand and demonstrate the uses of concrete and reinforcing materials.

1	2	3	4
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Perform volume estimates for concrete quantity requirements.

Identify types of concrete reinforcement bars and describe their use.

Identify types of reinforcement bar supports and describe their use.

Recognize four kinds of footings - Continuous or spread, stepped, pier, grade beam.

Identify the parts of footing forms and explain their purpose.

Identify the parts of pier forms and explain their purpose.

Recognize types of concrete pours that require the construction of edge forms - Slabs with or without a foundation, driveways, sidewalks, approaches.

Identify the parts of edge forms and explain their purpose.

Explain the purpose of a screed and identify the different types of screeds.

Demonstrate the ability to set screeds on grade.

Identify the various types of concrete forms.

Identify the components of each type of form.

Explain the safety procedures associated with using concrete forms.

Erect, plumb, and brace selected concrete forms, including - Basic wall form with walers and strongbacks, ganged wall form, radius wall form, column form, beam form and shoring, stair form.

<b>460201-05 Students will be able to understand and demonstrate framing of flooring systems, wall and ceilings and roofing systems.</b>				
	1	2	3	4
	Read and understand drawings and specifications to determine floor system requirements.			
	Identify floor and sill framing and support members.			
	Name the methods used to fasten sills to the foundation.			
	List and recognize different types of floor joists			
	List and recognize different types of flooring materials.			
	Explain the purposes of subflooring and underlayment			
	Match selected fasteners used in floor framing to their correct uses.			
	Demonstrate the ability to - Layout and construct a floor assembly, install joists for a cantilever floor, install a single floor system using tongue and groove plywood/OSB panels			
	Identify the components of a wall and ceiling layout.			
	Describe the procedure for laying out a wood frame wall, including plates, corner posts, door and window opening, partition T's, bracing, and firestops.			
	Describe the correct procedure for assembling and erecting an exterior wall.			
	Describe the common materials and methods used for installing sheathing on walls.			
	Layout, assemble, erect, and brace exterior walls for a frame building.			
	Understand the terms associated with roof framing.			
	Identify the roof framing members used in gable and hip roofs.			
	Identify the various types of trusses used in roof framing.			
	Use a rafter framing square, speed square, and calculator in laying out a roof.			
	Identify various types of sheathing used in roof construction.			
	Erect a gable roof using trusses.			

<b>460201-06 Students will be able to understand and demonstrate installation of windows and exterior doors.</b>				
	1	2	3	4
	Identify various types of fixed, sliding, and swinging windows.			
	Identify the parts of a window installation.			
	State the requirements for a proper window installation.			
	Install a pre-hung window			
	Identify the common types of exterior doors and explain how they are constructed			
	Identify the types of thresholds used with exterior doors.			
	Install a pre-hung exterior door with weatherstripping.			
	Identify the various types of locksets used on exterior doors and explain how they are installed			
	Install a lockset.			

<b>460201-07 Students will be able to understand and demonstrate drywall installation and finishing.</b>				
	1	2	3	4
	Identify the different types of gypsum wallboard (drywall) and their uses.			
	Select the type and thickness of drywall required for specific installations.			
	Select fasteners for drywall installation.			
	Explain the fastener schedules for different types of drywall installations.			
	Perform single-layer and multi-layer drywall installations using different types of fastening systems, including – Nails, drywall screws, adhesives.			
	Identify the hand tools used in drywall finishing and demonstrate the ability to use these tools.			
	Identify the automatic tools used in drywall finishing.			
	Identify the materials used in drywall finishing and state the purpose and use of each type of material, Including – Compounds, joint reinforcing tapes, trim materials, textures and coatings.			

<b>460201-08 Students will be able to understand and demonstrate interior finishing.</b>				
	1	2	3	4
	Identify various types of door jambs and frames and demonstrate the installation procedures for placing selected door jambs and frames in different types of interior partitions.			
	Identify different types of interior doors.			
	List and identify specific items included on a typical door schedule.			
	Demonstrate the procedure for placing and hanging a selected door.			
	Identify the different types of standard moldings and describe their uses.			
	Make square and miter cuts using a miter box or power miter saw.			
	Make coped joint cuts using a coping saw.			
	Install interior trim, including - Door trim, window trim, base trim, ceiling trim.			

**The instructor must retain a copy of this Student Performance Evaluation for two years after the student has left the program.**

Instructor Signature:

Date:

Student Signature:

Date:

School: